

DERWENT-ACC-NO: 2000-585555

DERWENT-WEEK: 200055

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TITLE: Obtaining hydrophilic super absorbents as gels  
or dried  
granules

INVENTOR: DRAGUSIN, I M

PATENT-ASSIGNEE: DRAGUSIN I M[DRAGI]

PRIORITY-DATA: 1994RO-0001215 (July 19, 1994)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

RO 115805 B

June 30, 2000

N/A

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C08F 002/54

APPLICATION-DATA:

PUB-NO

APPL-DESCRIPTOR

APPL-NO

APPL-DATE

RO 115805B

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INT-CL (IPC): C05G003/00, C08F002/54 , C08F020/06 , C08F020/56

ABSTRACTED-PUB-NO: RO 115805B

*difference is of radiation  
instead of UV*

BASIC-ABSTRACT:

NOVELTY - Hydrophilic super absorbents are obtained by initiating polymerisation reaction between 35-45% acrylic monomer, 0.02-0.04% potassium persulfate, 0.01% ethylene diamino tetraacetate and water to 100% with gamma radiation generated by Co-60 radioisotopes or accelerated electrons followed by thermochemical propagation of reaction, addition of 2-8% mono potassium phosphate, 4-16% potassium nitrate, 0.3-0.6% magnesium sulfate. Product obtained is in gel or dried granules form.

USE - Hydrophilic super absorbents are used in agriculture,

horticulture and  
has other applications.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OBTAIN HYDROPHILIC SUPER ABSORB GEL DRY GRANULE

DERWENT-CLASS: A14 A97 C04

CPI-CODES: A02-A; A02-A01; A04-F01A; A10-B06; A10-E21; A12-W04B;  
C12-M11D;

SECONDARY-ACC-NO:

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